

FLUID LAYOUTS

- LEVEL 2 -

.....

FLUID LAYOUTS

Fluid Foundations

The Fluid Grid



LEVEL 2

FLUID FOUNDATIONS

Fluid Layouts: Layouts that scale

Fixed Layouts: Layouts that are static



LEVEL 2

FLUID FOUNDATIONS

What Makes A Fluid Site?

- Fluid Grid

A promotional banner for BarCamp Orlando. The banner features a background image of a modern, open-plan office or event space with people working at tables. In the top left corner is the BarCamp Orlando logo, which includes a stylized blue and green globe icon and the text "barcamp orlando". In the top right corner, there are social media links for "Tweet" (233) and "Like" (420). A green button in the top right corner says "REGISTER NOW, IT'S FREE!". On the left side, there is a circular play button icon with the text "PLAY VIDEO" below it. On the right side, there is a dark grey box containing the text "Saturday, April 14th", "9:30 AM – 6:00 PM", and a quote: "Born from the desire to share and learn in an open environment, BarCamp Orlando is back and better than ever."

5TH ANNUAL

What is it?

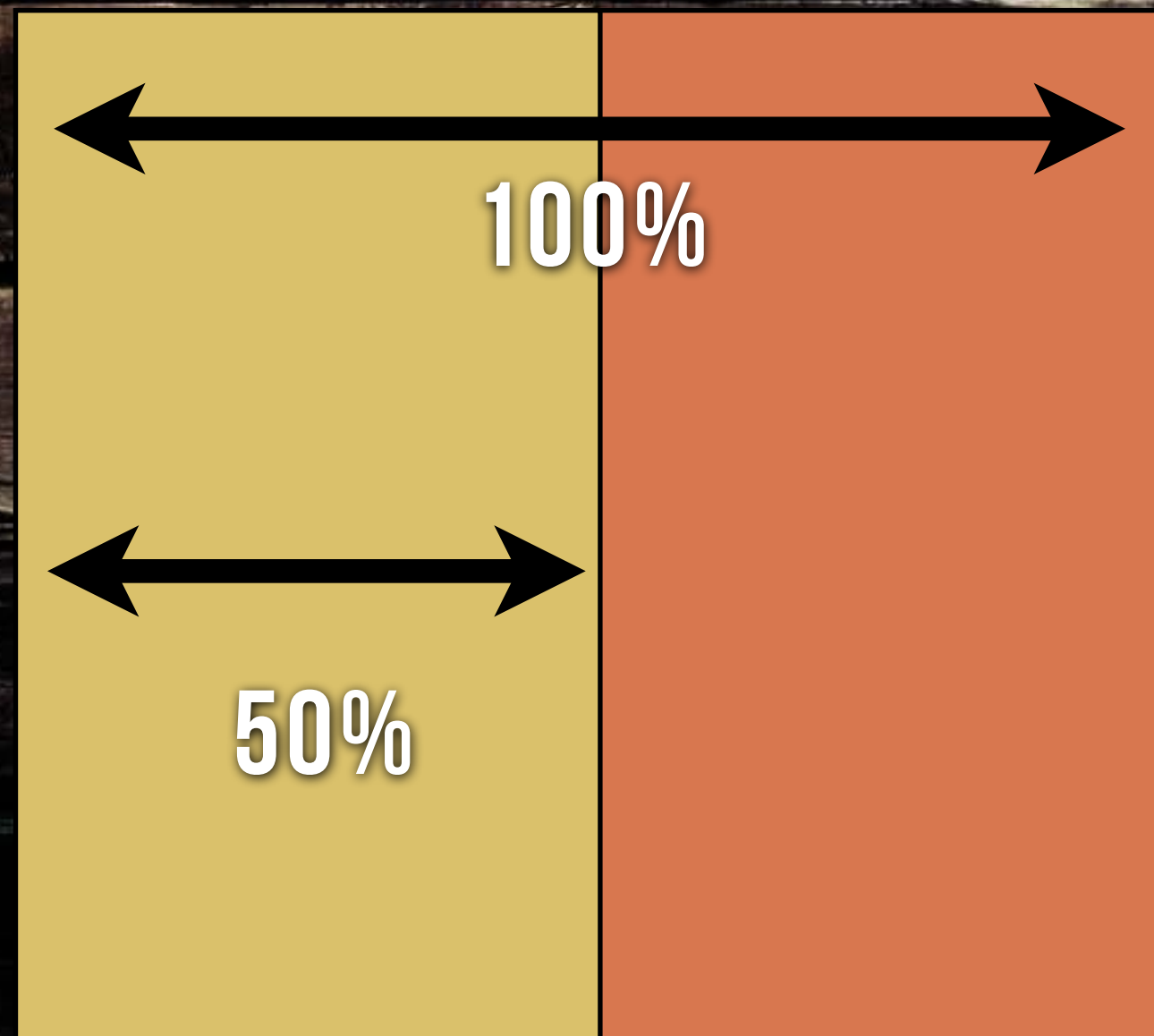
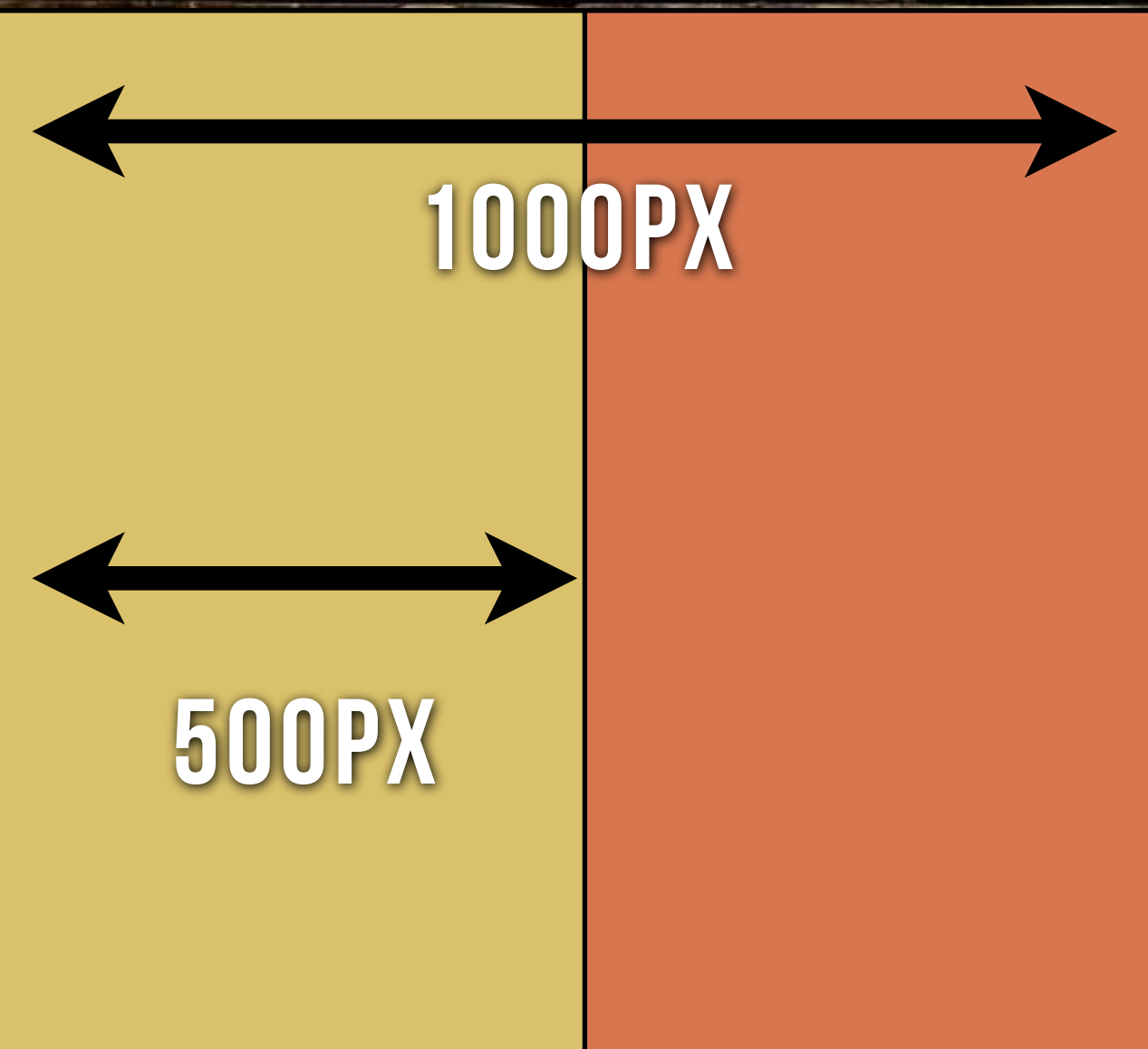
VENUE & TIMES

Saturday, April 14th, 2012

FLUID FOUNDATIONS

What Makes A Fluid Site?

- Fluid Grid
- Relative Values (percentages)



FLUID FOUNDATIONS

GRIMPEN MIRE

BED & BREAKFAST

- est. 1901 -

LOCATION

ABOUT US

RESERVATIONS

PHOTOS

Photo by Sidney Paget
Words by Sir Arther Conan Doyle
from *The Hound of the Baskervilles*

"It is a wonderful place, the moor..."

"You never tire of the moor. You cannot think the wonderful secrets which it contains. It is so vast, and so barren, and so mysterious." "You know it well, then?" "I have only been here two years. The residents would call me a newcomer. We came shortly after Sir Charles settled.

But my tastes led me to explore every part of the country round, and I should think that there are few men who know it better than I do." "Is it hard to know?" "Very hard. You see, for example, this great plain to the north here with the queer hills breaking out of it. Do you observe anything remarkable about that?"

"It would be a rare place for a gallop." "You would naturally think so and the thought has cost several their lives before now. You notice those bright green spots scattered thickly over it?" "Yes, they seem more fertile than the rest." Stapleton laughed.

"That is the great Grimpen Mire," said he. "A false step yonder means death to man or beast. Only yesterday I saw one of the moor ponies wander into it. He never came out. I saw his head for quite a long time craning out of the bog-hole, but it sucked him down at last. Even in dry seasons it is a danger to cross it, but after these autumn rains it is an awful place. And yet I can find my way to the very heart of it and return alive. By George, there is another of those miserable ponies!"



JACK STAPLETON

Proprietor

Here on the moor we are homely folk and do not wait for formal introductions. You may possibly have heard my name from our mutual friend, Mortimer. I am Stapleton, of Merripit House.

FLUID FOUNDATIONS

target ÷ **context** = **result**



Remember our handy little formula?



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But my tastes led me to explore every part of the country round, and I should think that there are few men who know it better than I do." "Is it hard to know?" "Very hard. You see, for example, this great plain to the north here with the queer hills breaking out of it. Do you observe anything remarkable about that?"

"It would be a fine place for a camp. You would naturally think so and the thought has come even into my mind before now. Do you notice those bright green spots scattered thickly over it?" "Yes, they seem more fertile than the rest." Stapleton laughed.

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But my tastes led me to explore every part of the country round, and I should think that there are few men who know it better than I do." "Is it hard to know?" "Very hard. You see, for example, this great plain to the north here with the queer hills breaking out of it. Do you observe anything remarkable about that?"

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But my tastes led me to explore every part of the country round, and I should think that there are few men who know it better than I do." "Is it hard to know?" "Very hard. You see, for example, this great plain to the north here with the queer hills breaking out of it. Do you observe anything remarkable

.content

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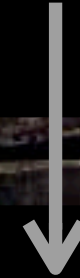
Proprietor

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THE FLUID GRID

```
<div class="site"></div>
```

```
.site {  
  margin: 40px auto;  
  width: 940px;  
}
```



```
.site {  
  margin: 40px auto;  
  width: 90%;  
}
```



THE FLUID GRID

```
.site {  
  margin: 40px auto;  
  width: 940px;  
}
```

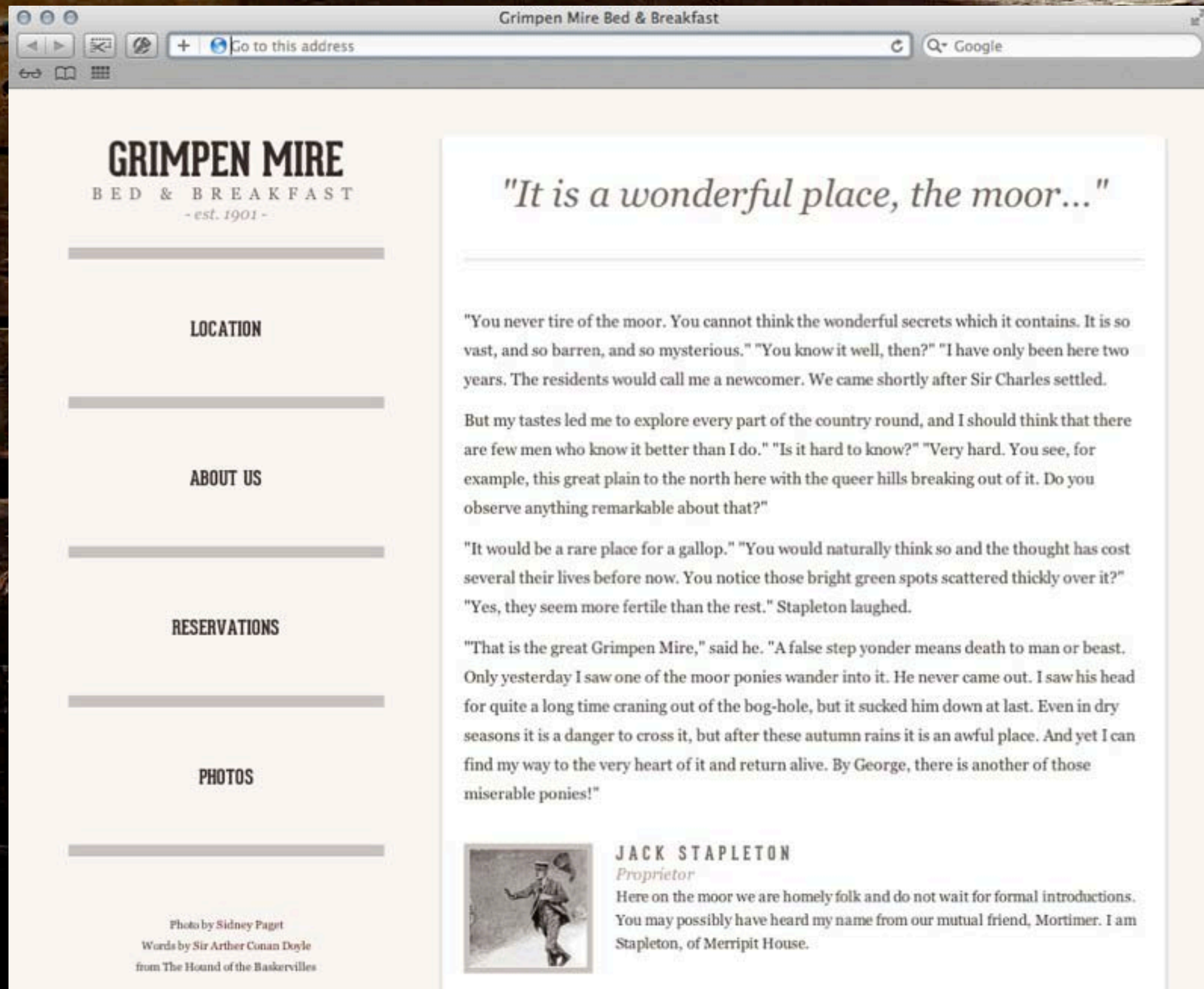


```
.site {  
  margin: 40px auto;  
  width: 90%;  
}
```

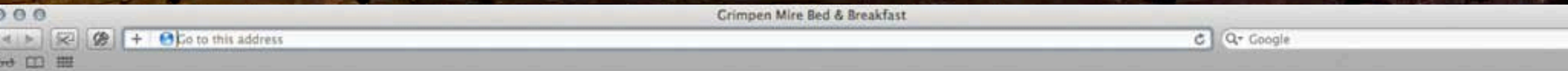


LEVEL 2

THE FLUID GRID



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But my tastes led me to explore every part of the country round, and I should think that there are few men who know it better than I do." "Is it hard to know?" "Very hard. You see, for example, this great plain to the north here with the queer hills breaking out of it. Do you observe anything remarkable about that?"

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FLUID FOUNDATIONS

```
<section class="sidebar">
  <header>
  </header>

  <nav>
    <ul class="menu">
    </ul>
  </nav>

  <footer>
  </footer>
</section>
```

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"It is a

.....
"You never tire of
so vast, and so bar
two years. The res
settled.

But my tastes led m
there are few men
for example, this g
observe anything m

"It would be a rare
cost several their l
it?" "Yes, they seem

"That is the great C
beast. Only yester
his head for quite a
Even in dry season
place. And yet I ca
another of those m



FLUID FOUNDATIONS

```
.sidebar {  
  float: left;  
  text-align: center;  
  width: 305px;  
}
```



LEVEL 2

THE FLUID GRID

target ÷ context = result

305px ÷ 940px = 0.32446809



Our sidebar width



Width of <div class="site">



LEVEL 2

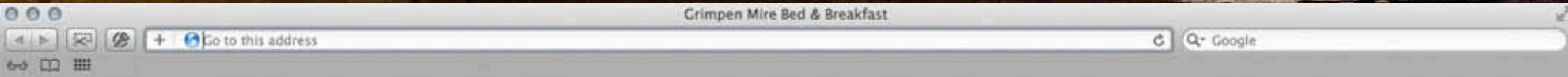
THE FLUID GRID

```
.sidebar {  
  float: left;  
  text-align: center;  
  width: 32.446809%; /* 305px/940px */  
}
```



LEVEL 2

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But my tastes led me to explore every part of the country round, and I should think that there are few men who know it better than I do." "Is it hard to know?" "Very hard. You see, for example, this great plain to the north here with the queer hills breaking out of it. Do you observe anything remarkable about that?"

"It would be a rare place for a gallop." "You would naturally think so and the thought has cost several their lives before now. You notice those bright green spots scattered thickly over it?" "Yes, they seem more fertile than the rest." Stapleton laughed.

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FLUID FOUNDATIONS

```
<section class="content">
  <aside></aside>

  <p></p>

  <footer class="stapleton">
    <div class="pic">
    </div>
    <div class="bio">
    </div>
  </footer>
</section>
```

"It is a wonderful place, the moor"

"You never tire of the moor. You cannot think the wonderful secrets which it contains so vast, and so barren, and so mysterious." "You know it well, then?" "I have only been two years. The residents would call me a newcomer. We came shortly after Sir C. settled.

But my tastes led me to explore every part of the country round, and I should think there are few men who know it better than I do." "Is it hard to know?" "Very hard. For example, this great plain to the north here with the queer hills breaking out to observe anything remarkable about that?"

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FLUID FOUNDATIONS

```
.content {  
  background-color: #fff;  
  box-shadow: 0px 3px 4px rgba(0, 0, 0, .3);  
  margin-left: 325px;  
  padding: 20px;  
  width: 590px;  
}
```



LEVEL 2

THE FLUID GRID

target ÷ context = result

590px ÷ 940px = 0.62765957

Our .content width

Width of <div class="site">



LEVEL 2

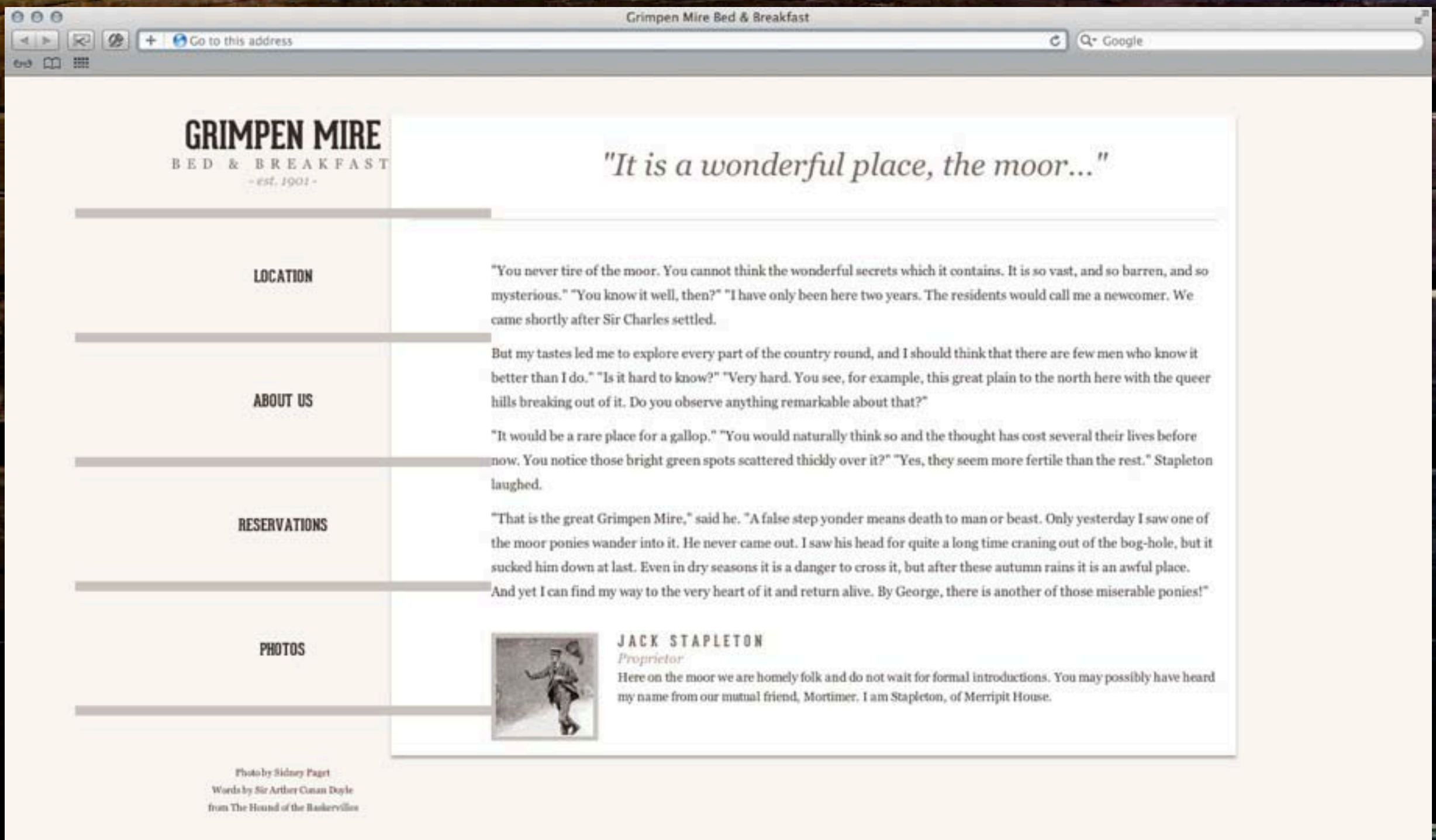
THE FLUID GRID

```
.content {  
  background-color: #fff;  
  box-shadow: 0px 3px 4px rgba(0, 0, 0, .3);  
  margin-left: 325px;  
  padding: 20px;  
  width: 62.765957%; /* 590px/940px */  
}
```



LEVEL 2

THE FLUID GRID



THE FLUID GRID

```
.content {  
  background-color: #fff;  
  box-shadow: 0px 3px 4px rgba(0, 0, 0, .3);  
  margin-left: 325px;  
  padding: 20px;  
  width: 62.765957%; /* 590px/940px */  
}
```



LEVEL 2

THE FLUID GRID

Flexible Margins

When setting flexible margins on an element, your context is the width of the element's container.

Ethan Marcotte (Responsive Web Design, 35)



LEVEL 2

THE FLUID GRID

target ÷ **context** = **result**

325px ÷ **940px** = **.34574468**



Our margin



Width of <div class="site">



LEVEL 2

THE FLUID GRID

```
.content {  
  background-color: #fff;  
  box-shadow: 0px 3px 4px rgba(0, 0, 0, .3);  
  margin-left: 34.574468%; /* 325px/940px */  
  padding: 20px;  
  width: 62.765957%; /* 590px/940px */  
}
```



LEVEL 2

THE FLUID GRID

Flexible Padding

When setting flexible padding on an element, your context is the width of the element itself.

Ethan Marcotte (Responsive Web Design, 35)

PADDING

BOX

LEVEL 2



THE FLUID GRID

target ÷ context = result

20px ÷ 590px = .03389830



Our padding



Width of <section class="content">



LEVEL 2

THE FLUID GRID

```
.content {  
  background-color: #fff;  
  box-shadow: 0px 3px 4px rgba(0, 0, 0, .3);  
  margin-left: 34.574468%; /* 325px/940px */  
  padding: 3.389830%; /* 20px/590px */  
  width: 62.765957%; /* 590px/940px */  
}
```



LEVEL 2

THE FLUID GRID

